



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Wednesday, May 13, 2015

Issued: 0800 CT

Day 1 Hazards: *Slight Risk of severe storms (wind/hail) across central Texas into the Rio Grande Valley of south Texas. Slight risk of flash flooding across much of Texas and into central and southwest Oklahoma.*

National Weather Service

*Southern Region Headquarters
Regional Operations Center
Fort Worth, TX*



Prepared by: Brian Hoeth
817-978-1100 x 147

Key Points



Today

- **Slight risk of severe storms (wind/hail) across central Texas into the Rio Grande valley of south Texas**
 - Marginal risk of severe storms across central and north Texas into extreme south central Oklahoma.
- **Slight risk of flash flooding for much of Texas into central and southwest Oklahoma.**
 - Flash Flood Watches are in effect and the potential exists for some areas of short duration flash flooding
- **Moderate or greater river flooding is occurring or possible over some areas in east and south Texas and east/south Oklahoma into west Arkansas**

Thursday - Sunday

- **Moderate or greater river flooding is forecast to continue over east Texas through the end of this week**
 - Current rivers of concern are the Trinity, Sabine, Brazos, and San Jacinto rivers. Additional river basins will be monitored closely for additional flooding
- **Slight risk of severe thunderstorms (wind/hail) over central/west OK into NW TX and eastern portions of the TX/OK panhandles Friday**
- **Slight to Enhanced risk of severe thunderstorms (wind/hail and a few tornadoes) over much of OK into north-central and northwest Texas Saturday into Sunday**
- **Heavy rain and flash flooding possible over eastern OK and western AR and into north/central/south Texas Saturday into Sunday**

Tropical Weather Outlook



Two-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



No Disturbances

Satellite Image from
11:52 pm EDT May 11

Tropical cyclone activity is not expected
during the next 48 hours.

E. PACIFIC
OUTLOOK

12:30 am EDT
Tue May 12 2015

Current Disturbances and 2-Day Cyclone Formation Chance: < 40% 40-60% > 60%
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone Remnants

*FEMA Region 6 Threat Matrix

May 13, 2015 - May 17, 2015

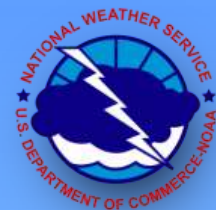
DAY/ THREAT	WED	THU	FRI	SAT	SUN
Severe Storms	Central/South TX		central/west OK into eastern TX/OK panhandles	Central OK	Into early Sun
				OK, northcentral and northwest TX	Into early Sun
Heavy Rain /Flash Flooding	Texas, Central/SW OK			East OK/West AR, N/Cntrl/S TX	East OK/West AR, N/Cntrl/S TX
Fire					
River Flooding	E&S TX, E&S OK, W AR	East TX, S OK	East TX	East TX	East TX

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

We are experimenting with a new color scale to the left as of April 13th. Please provide feedback to sr-srh.roc@noaa.gov. See next slide for more details.



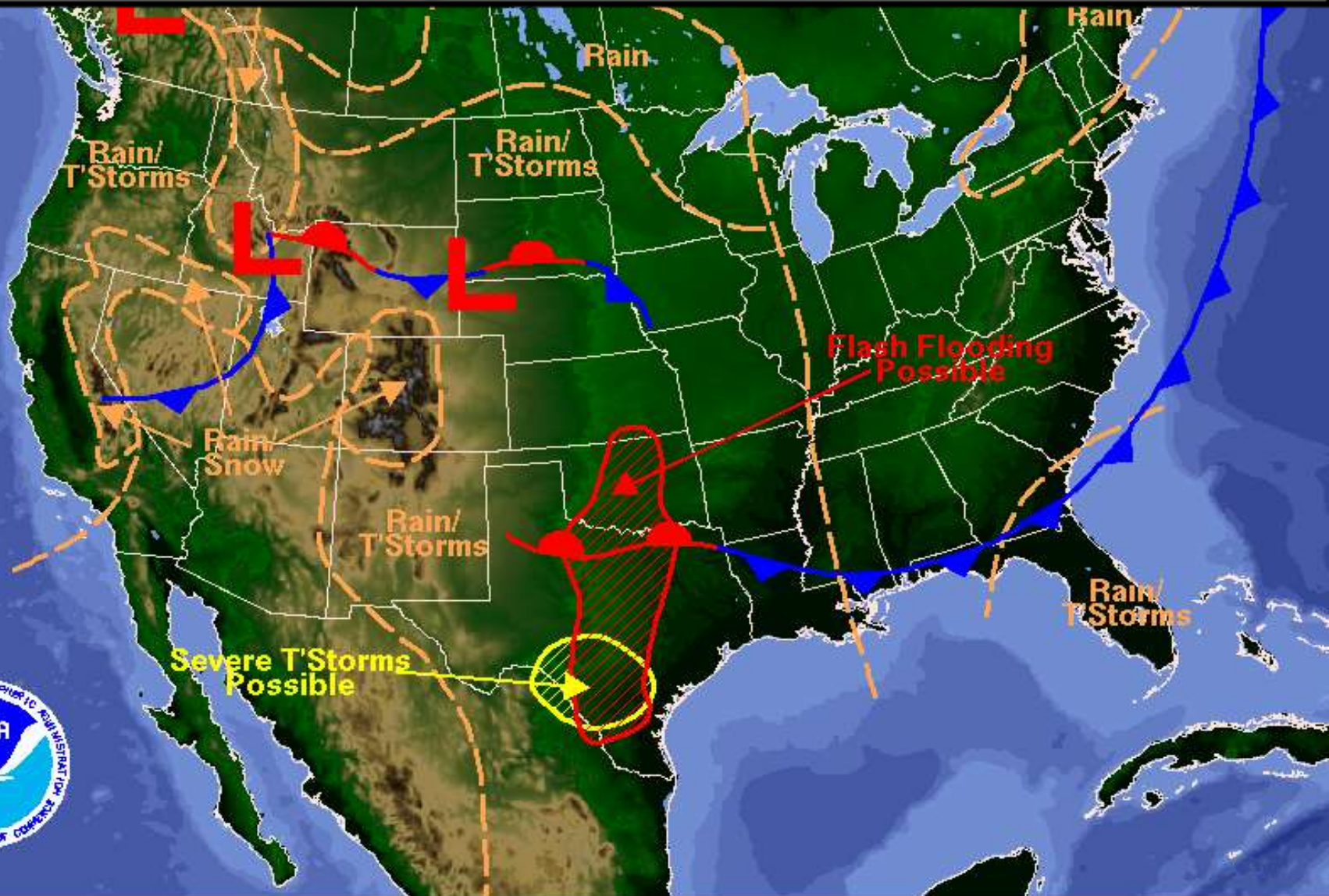
We are experimenting with a new color scale in these briefings, starting on April 13th. The criteria is below, please provide your feedback to sr-srh.roc@noaa.gov and we plan to re-evaluate in the coming months.



Weather "Threat" Matrix

Color	Definition	Criteria	Example(s)
Green	Very Common – Happens Often Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

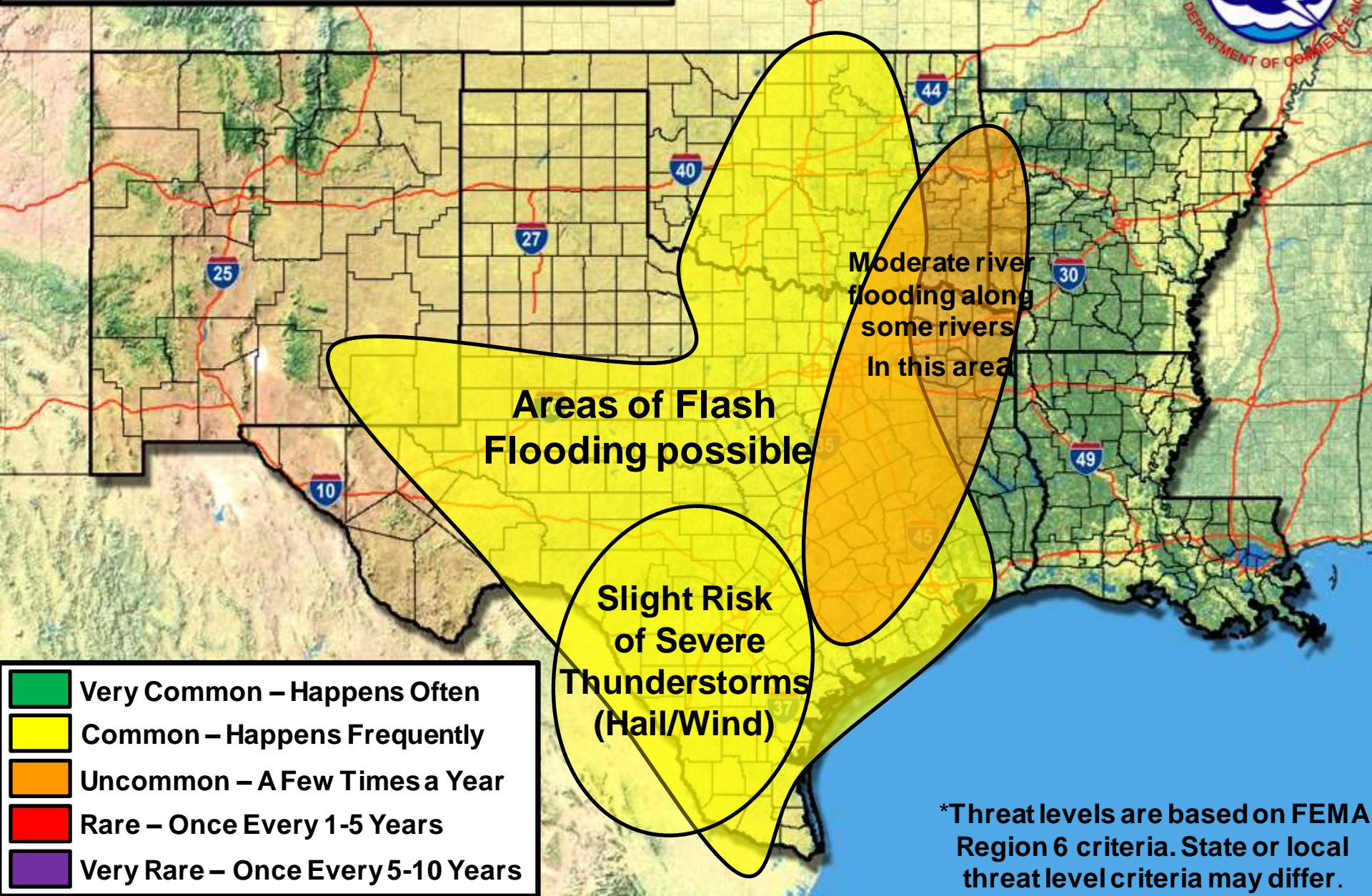
Today's Weather



Weather Forecast for Wed, May 13, 2015, issued 4:38 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Fanning based on WPC, SPC and NHC forecasts

Day 1 Weather Hazards

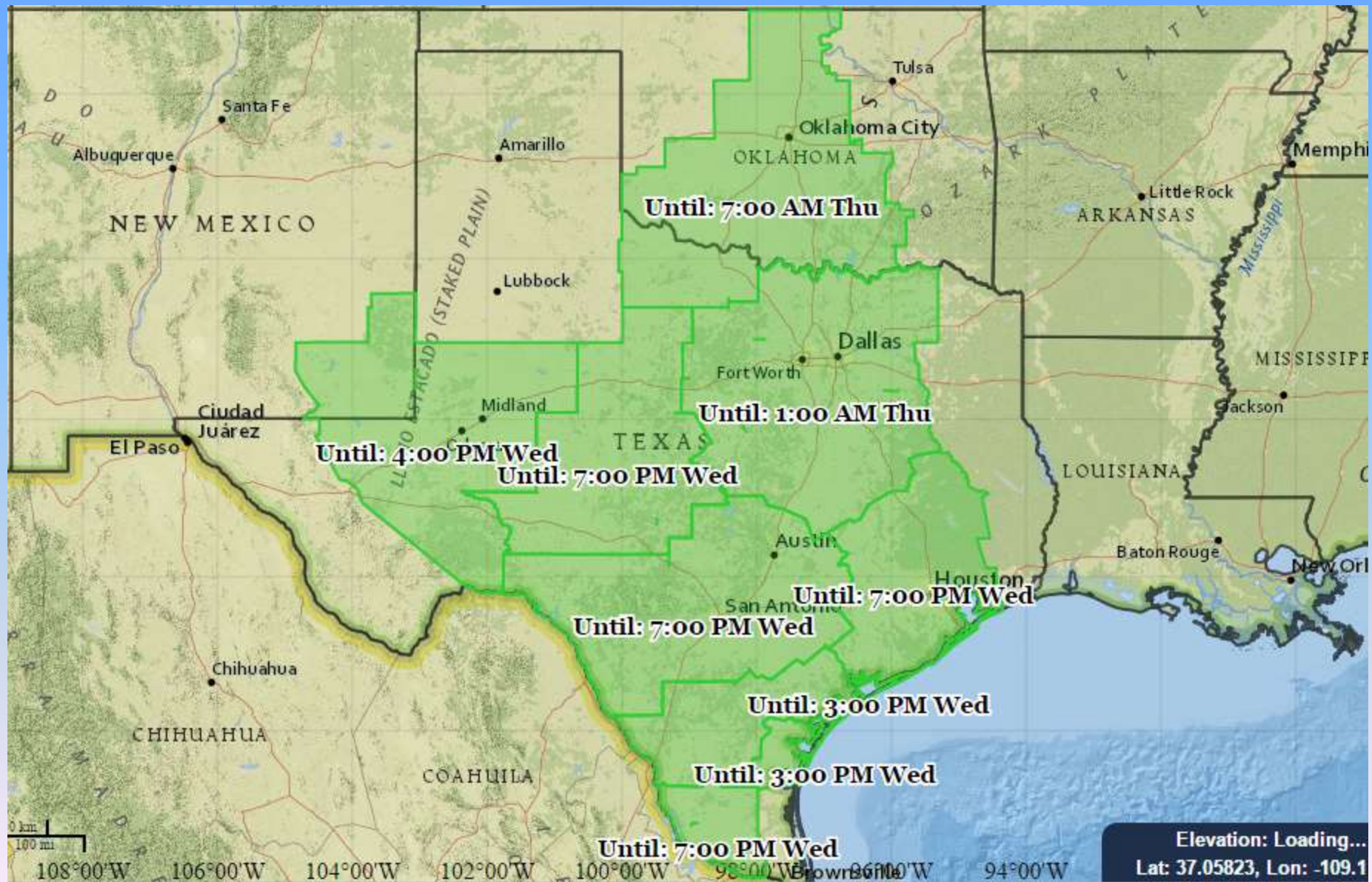
Valid: 0800 Wed - 0800 Thu



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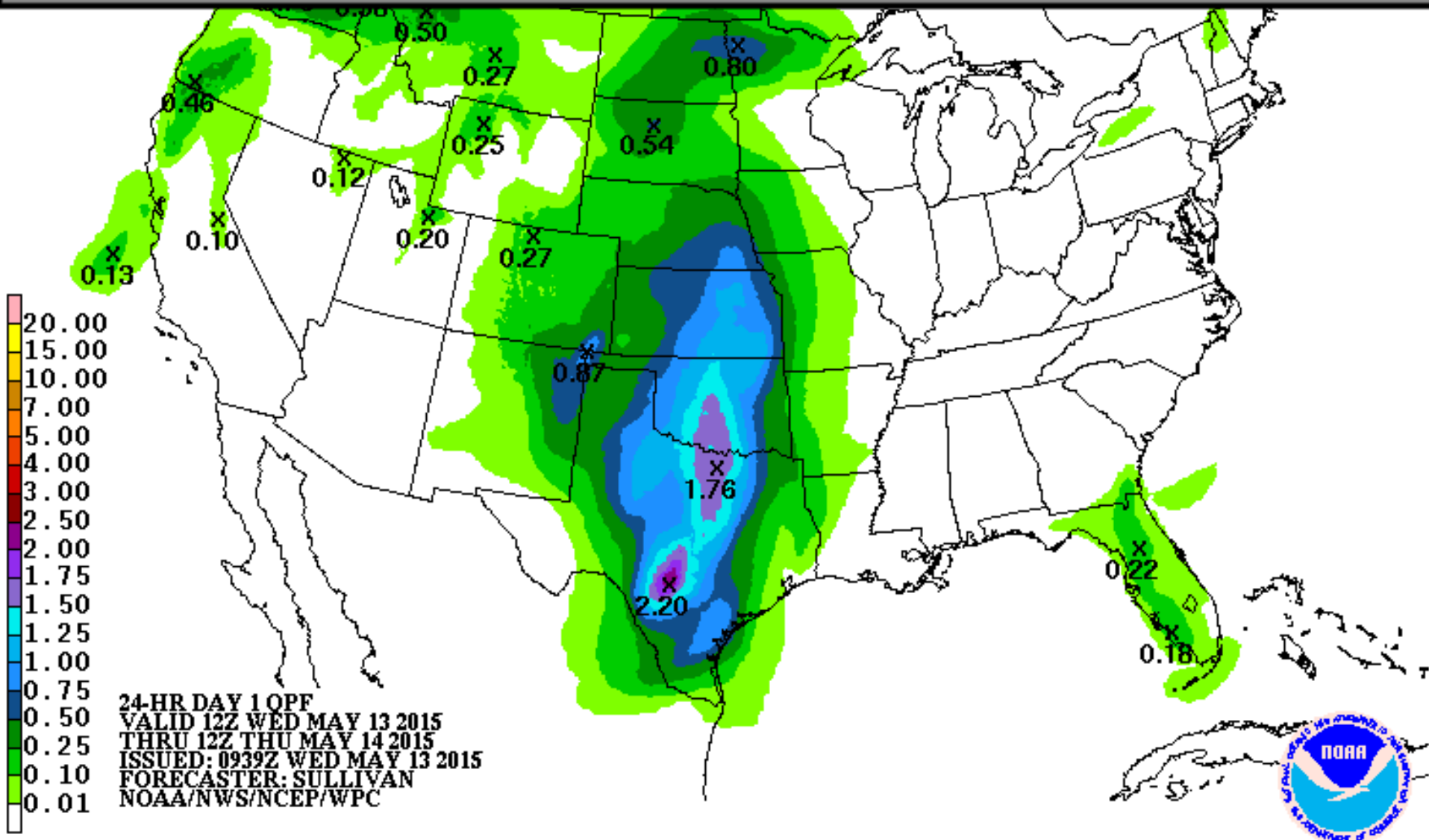
*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

Current Flash Flood Watches



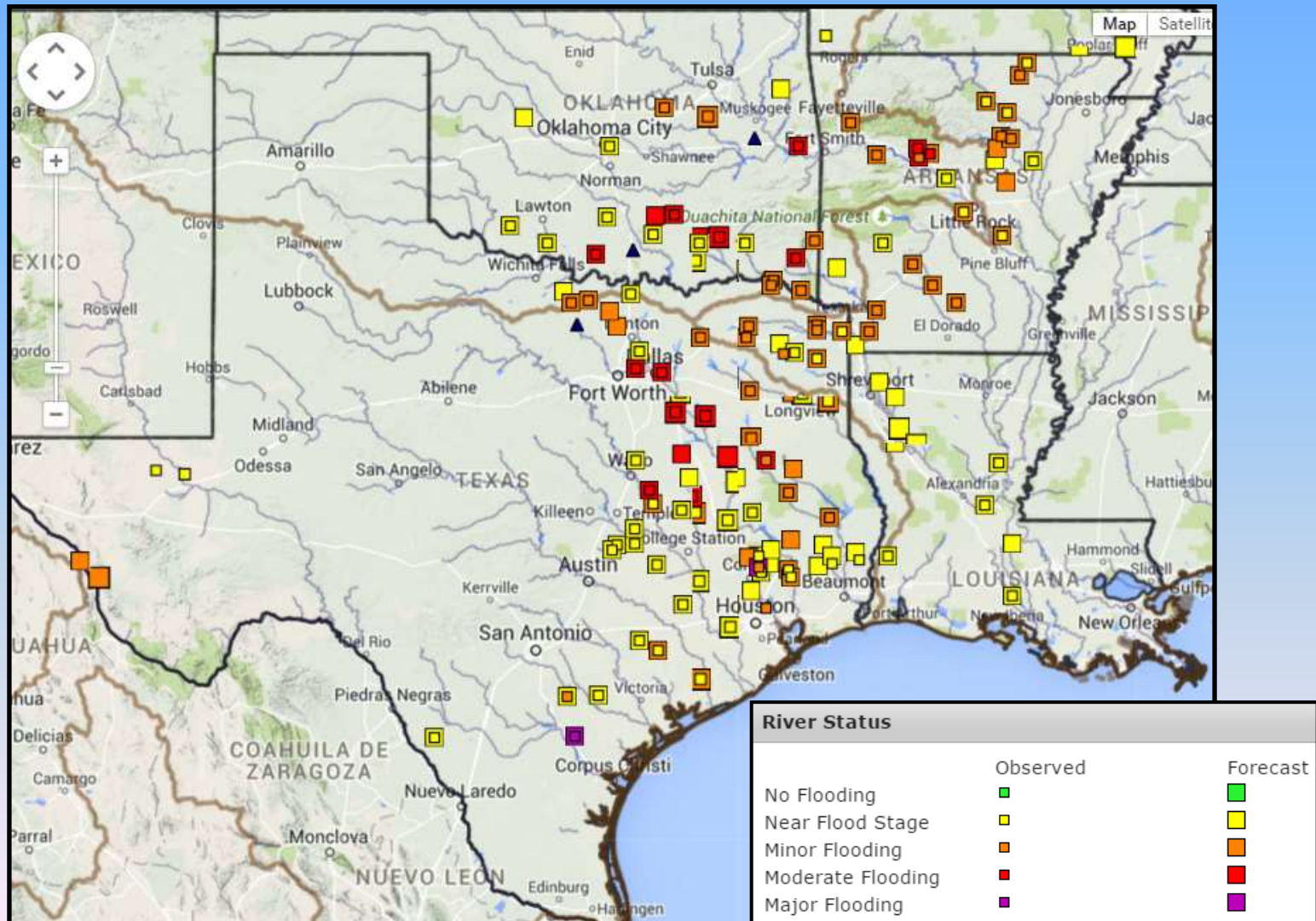
Today's Precipitation

Wed AM - Thu AM



Current River Status / Near Term Forecast

Several river points in East Oklahoma/Texas and Arkansas are in or forecast to be in minor to moderate flood stage;



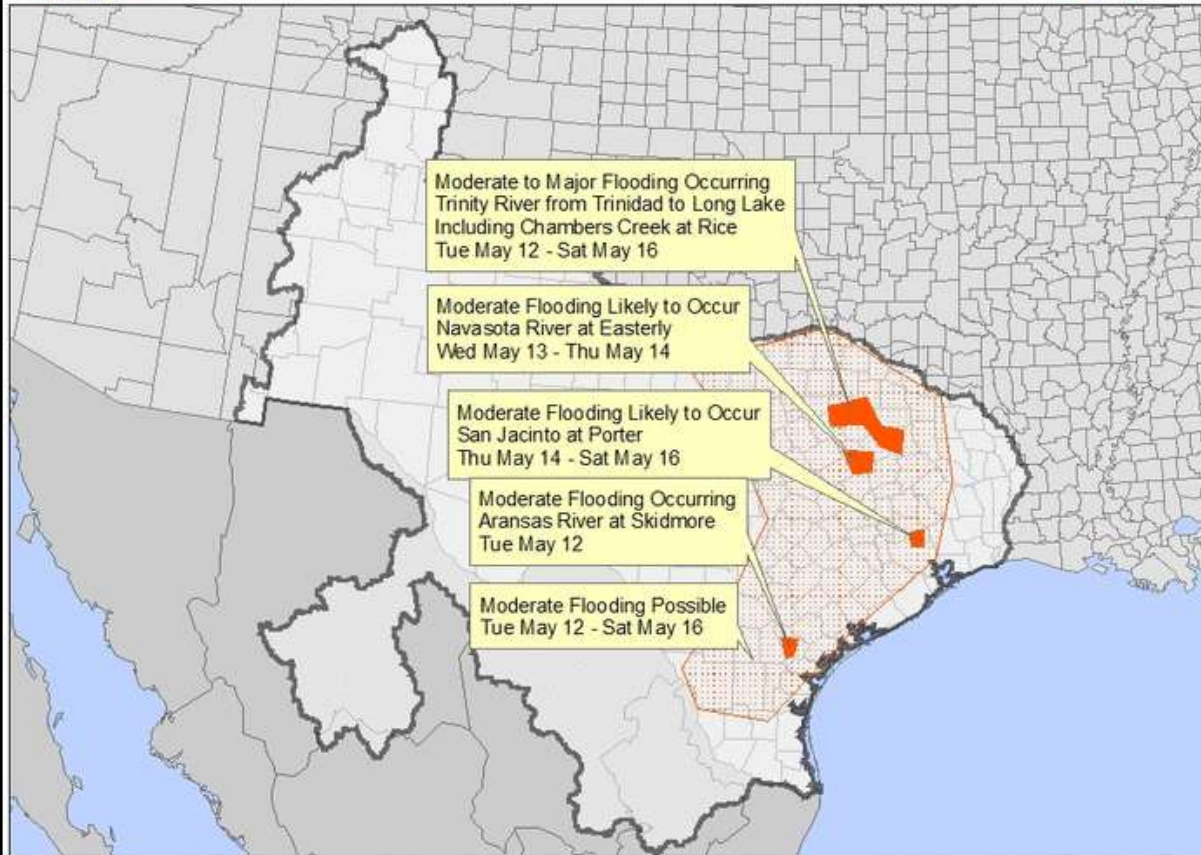
TX River Flood Outlook



Significant River Flood Outlook

Valid: 5/12/2015 - 5/17/2015

West Gulf River Forecast Center 5/12/2015 9:29:34 AM



**SIGNIFICANT RIVER
FLOODING POSSIBLE.**



**SIGNIFICANT RIVER
FLOODING LIKELY.**

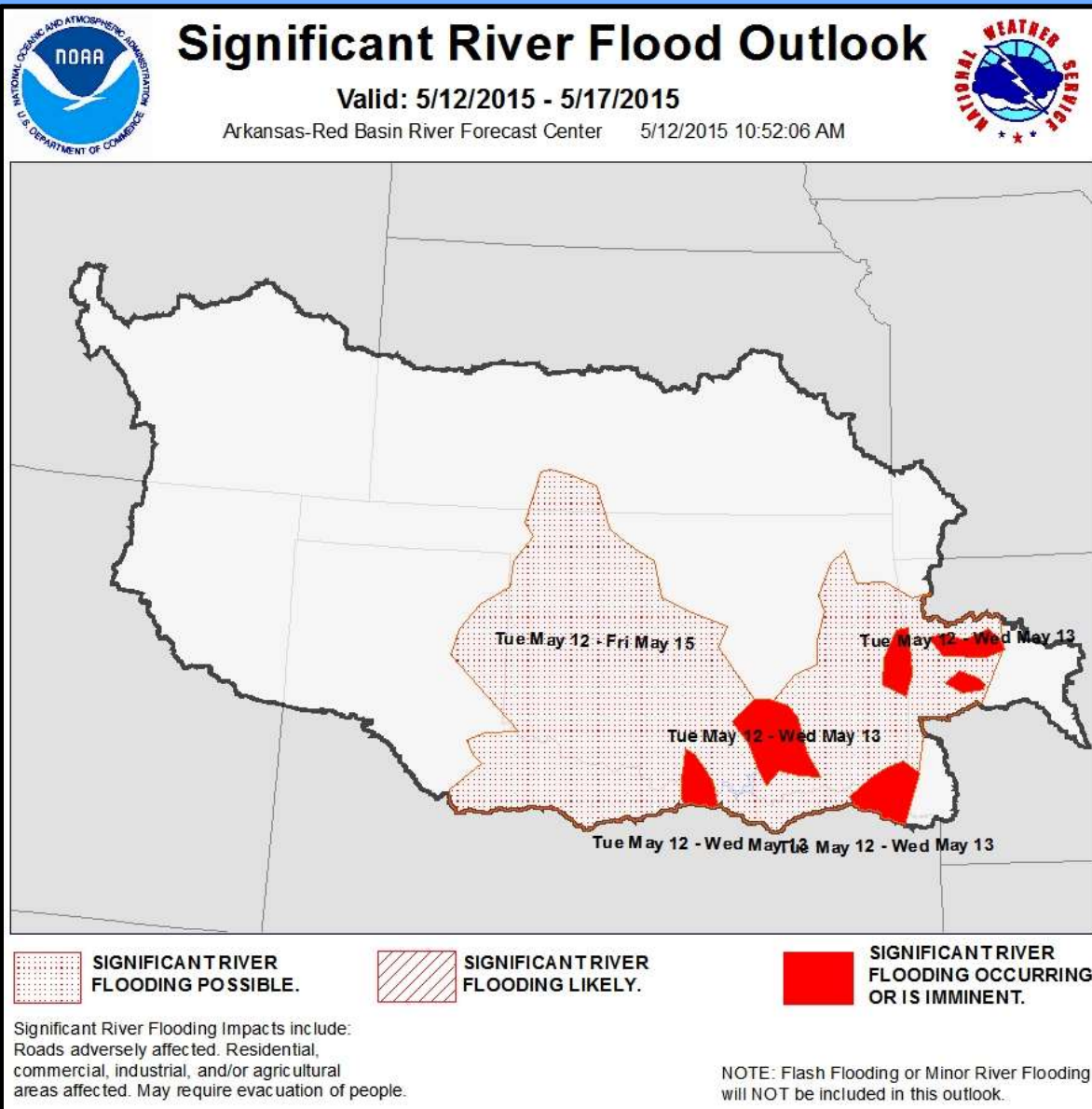


**SIGNIFICANT RIVER
FLOODING OCCURRING
OR IS IMMINENT.**

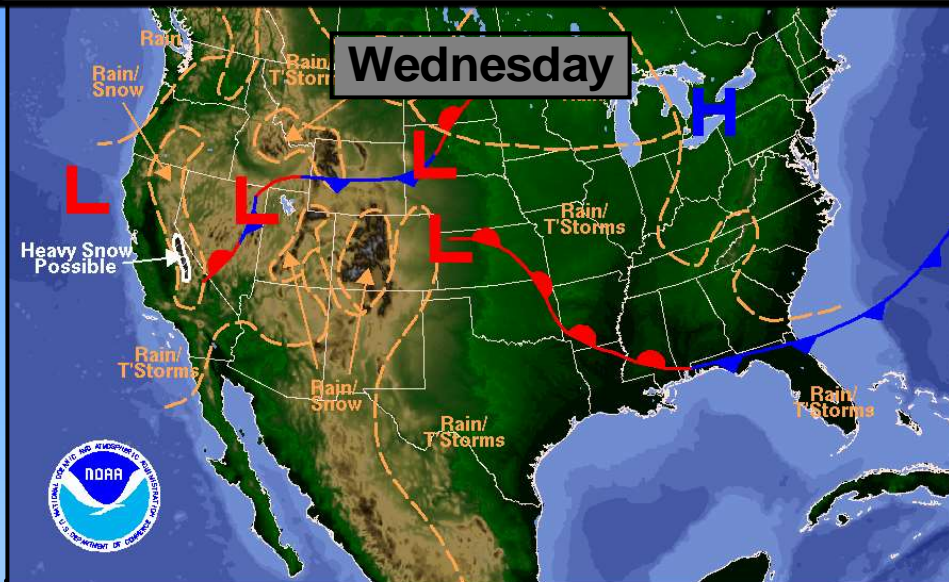
Significant River Flooding Impacts include:
Roads adversely affected. Residential,
commercial, industrial, and/or agricultural
areas affected. May require evacuation of people.

NOTE: Flash Flooding or Minor River Flooding
will NOT be included in this outlook.

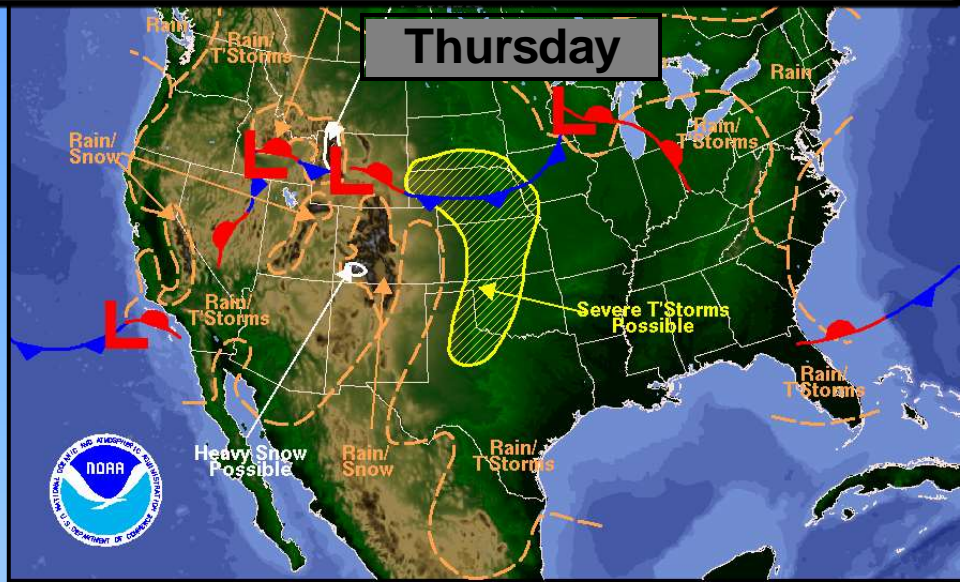
OK/AR/N TX River Flood Outlook



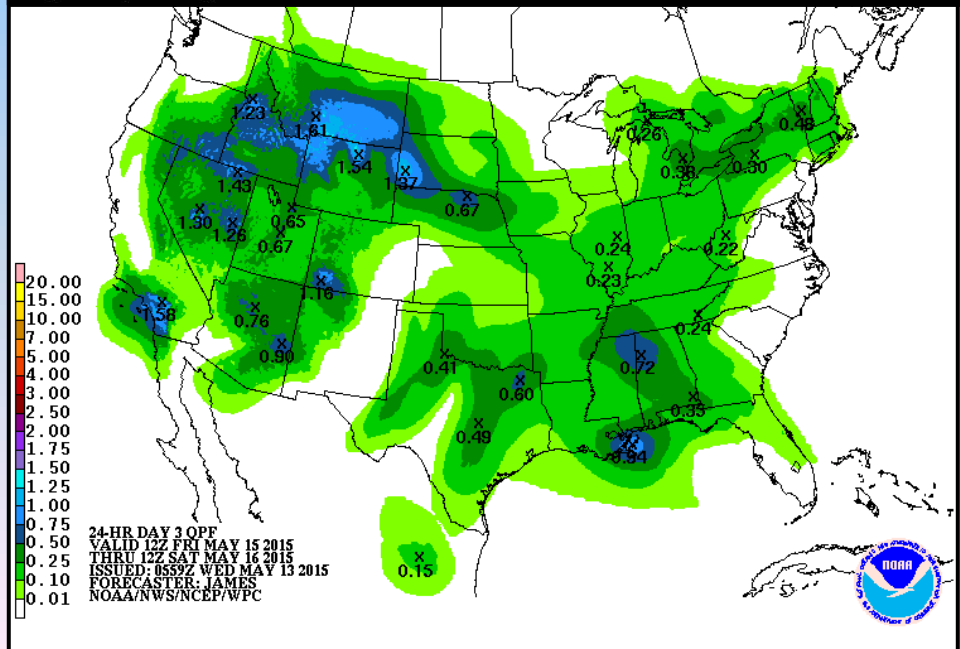
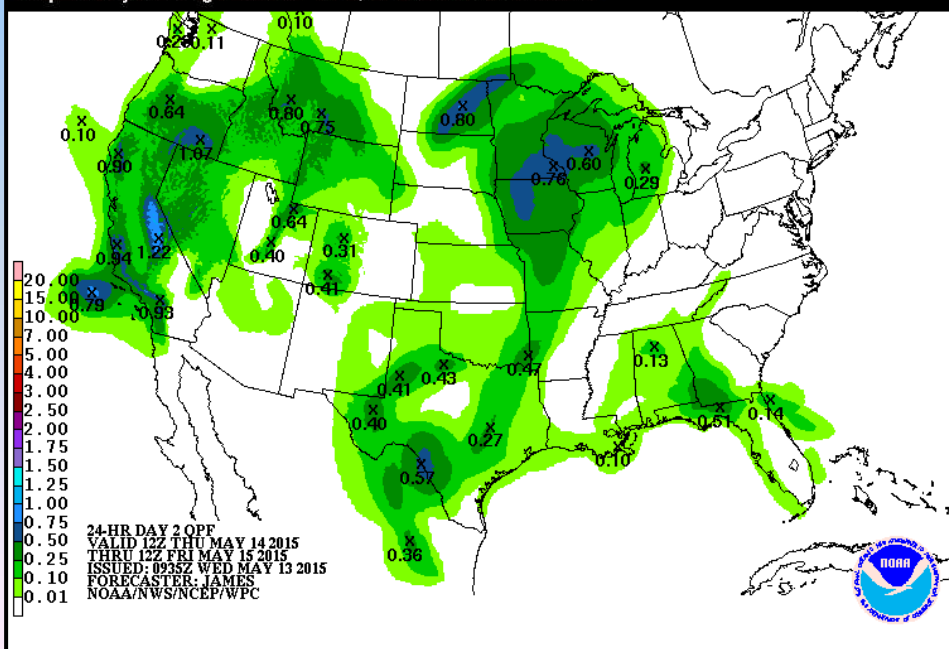
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Thu, May 14, 2015, issued 4:41 AM EDT Wed, May 13, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Weather Forecast for Fri, May 15, 2015, issued 4:44 AM EDT Wed, May 13, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



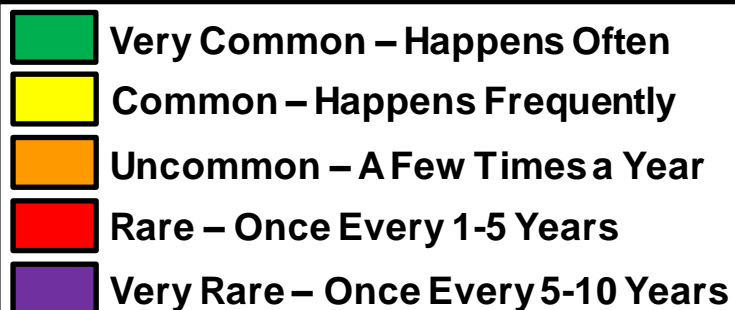
Day 2-3 Weather Hazards

Valid: 0800 Thu - 0800 Sat



Slight Risk of
Severe
Thunderstorms
(Wind/Hail)
Friday

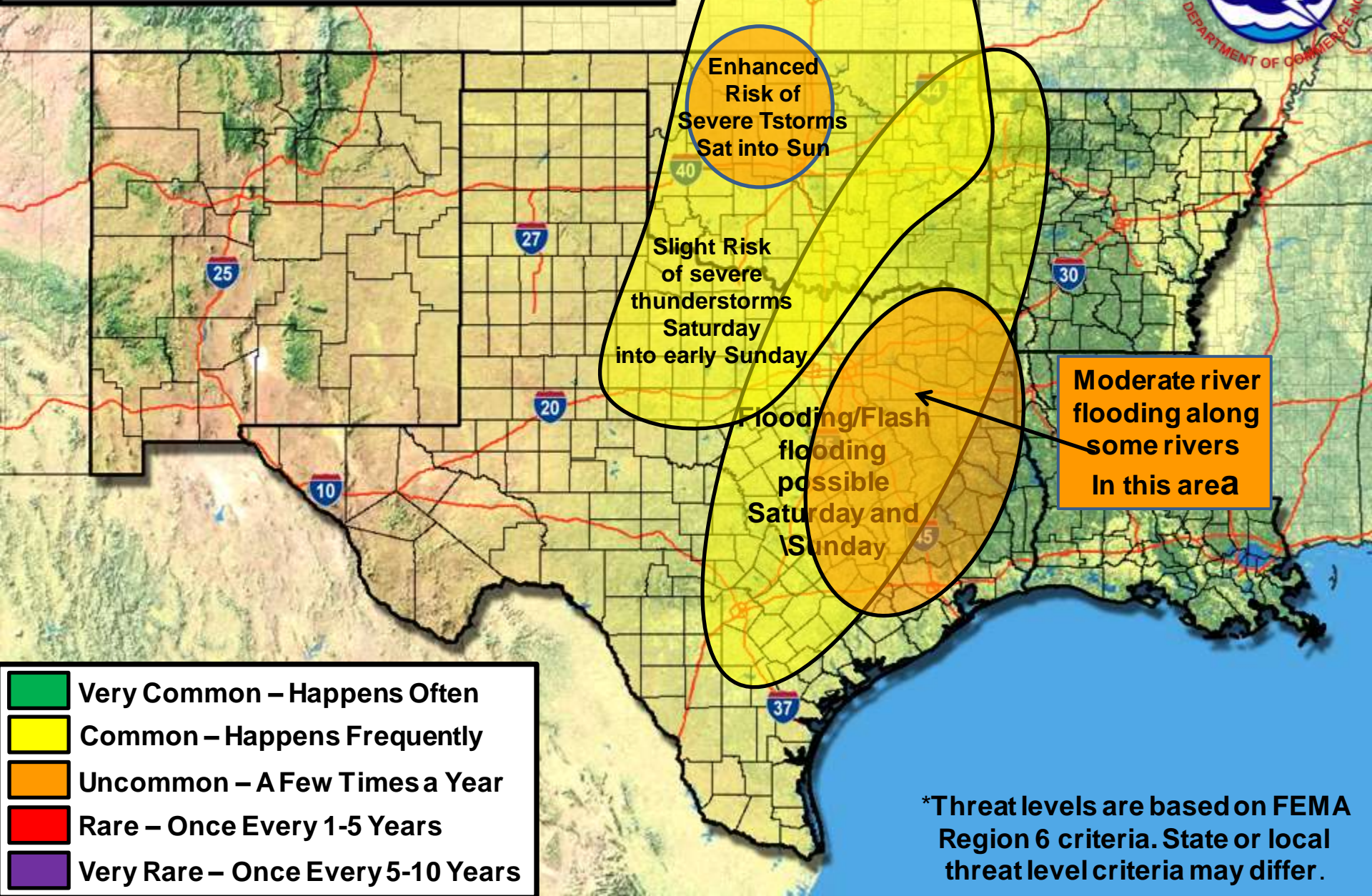
Moderate river
flooding along
some rivers
In this area



*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

Day 4-5 Weather Hazards

Valid: 0800 Sat - 0800 Mon

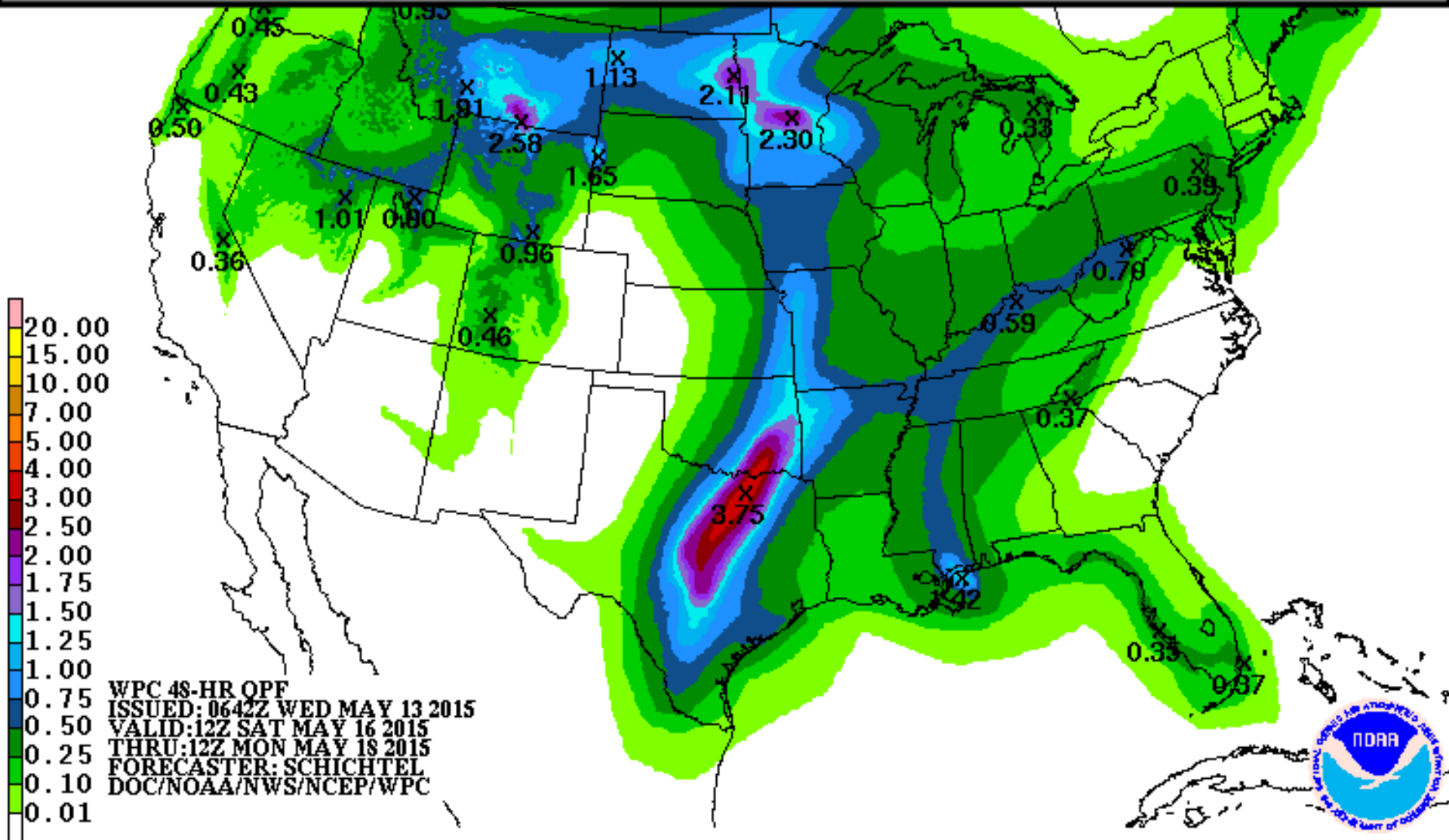


Moderate river flooding along some rivers in this area

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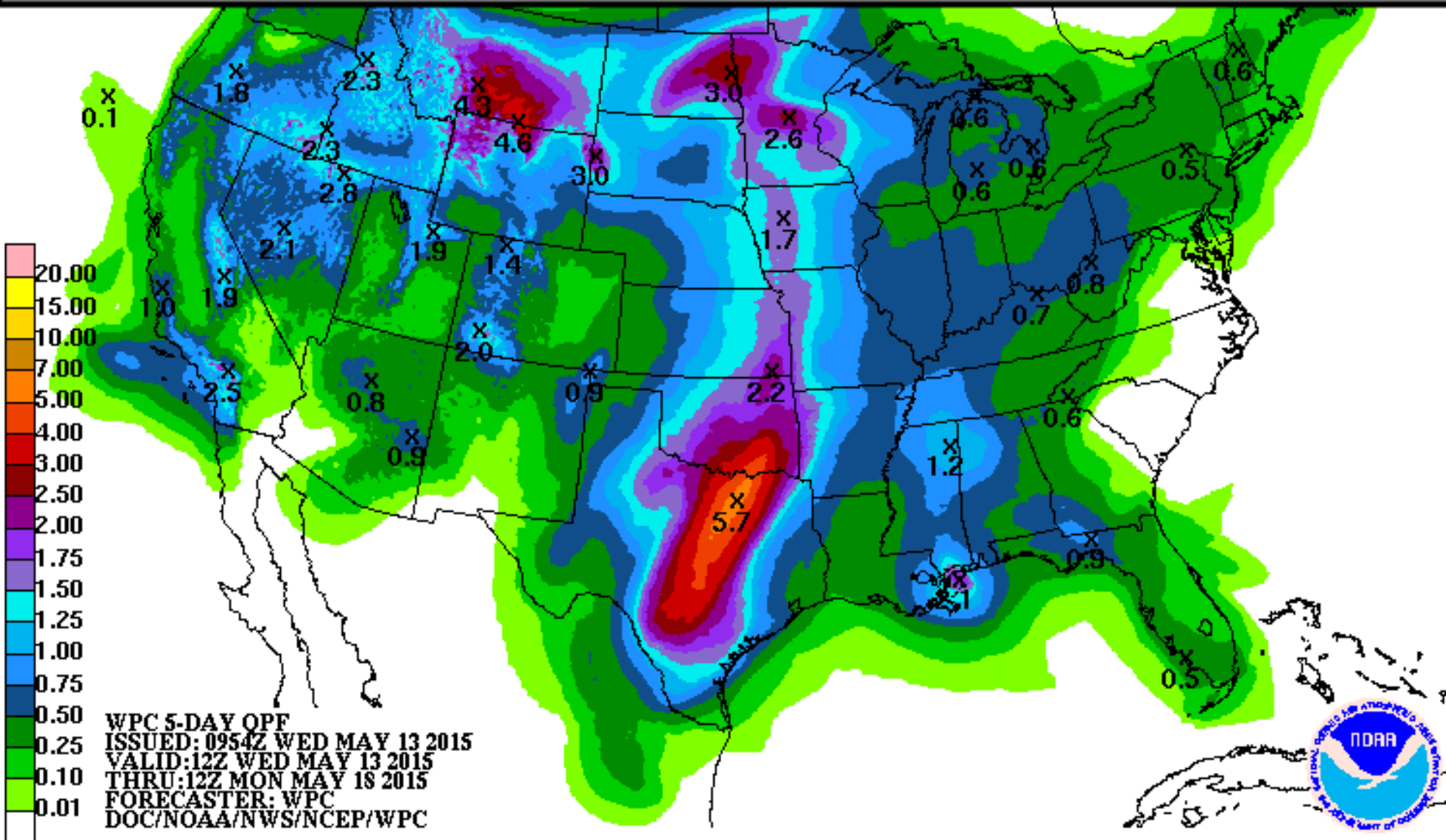
*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

2-Day Precipitation Sat AM – Mon AM



5-Day Precipitation

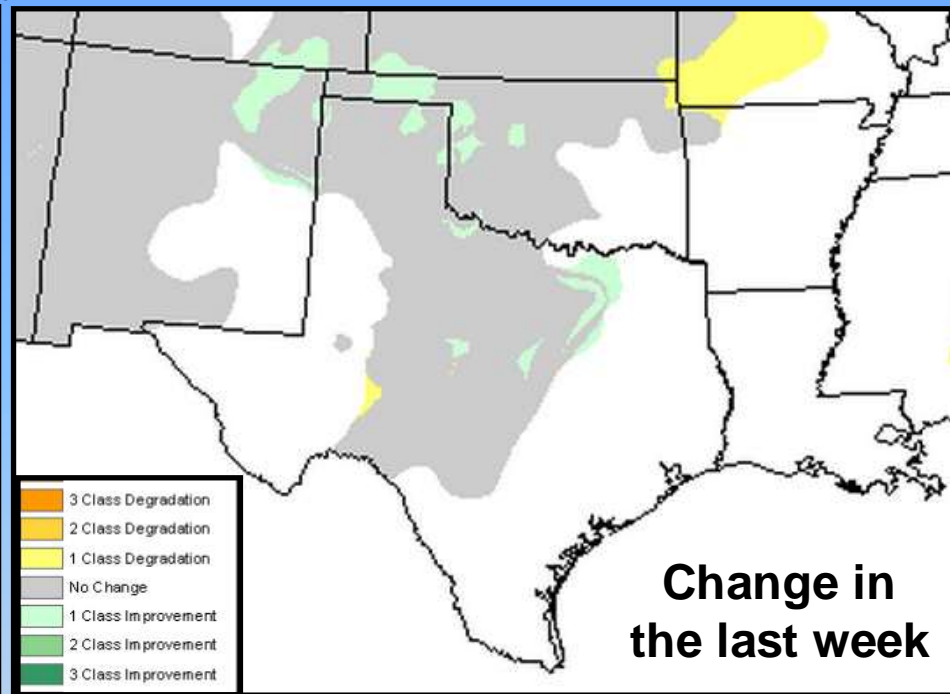
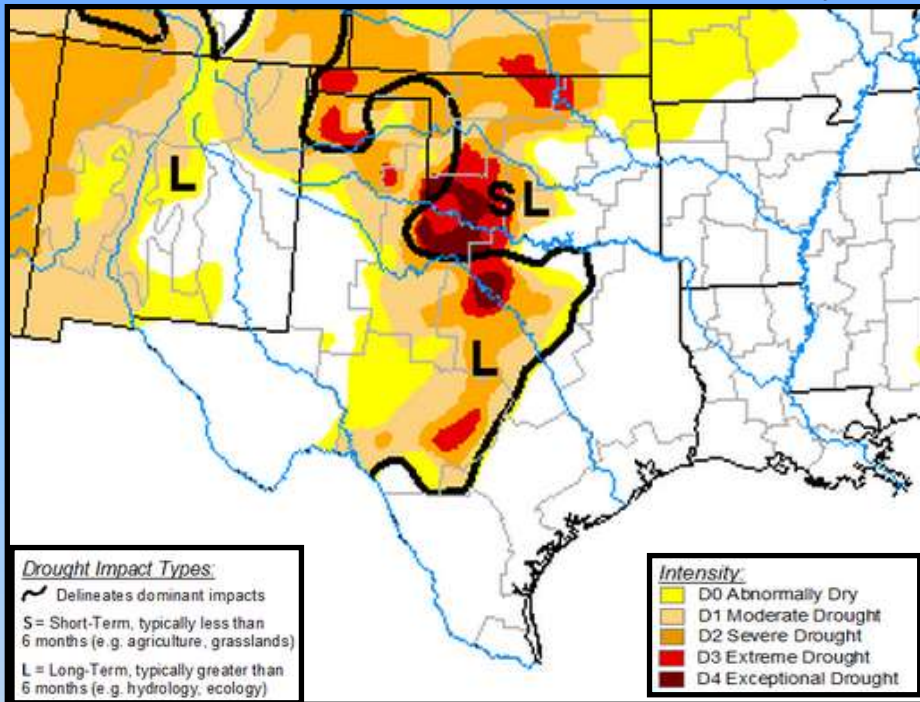
Wed AM - Mon AM





Drought Monitor Released May 7th, 2015

Data valid as of Tuesday, May 5th, 2015 at 7AM EST



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	17.95%	24.34%	22.58%	48.86%
Texas	5.48%	5.57%	11.24%	46.17%
New Mexico	0.00%	0.00%	3.70%	33.28%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

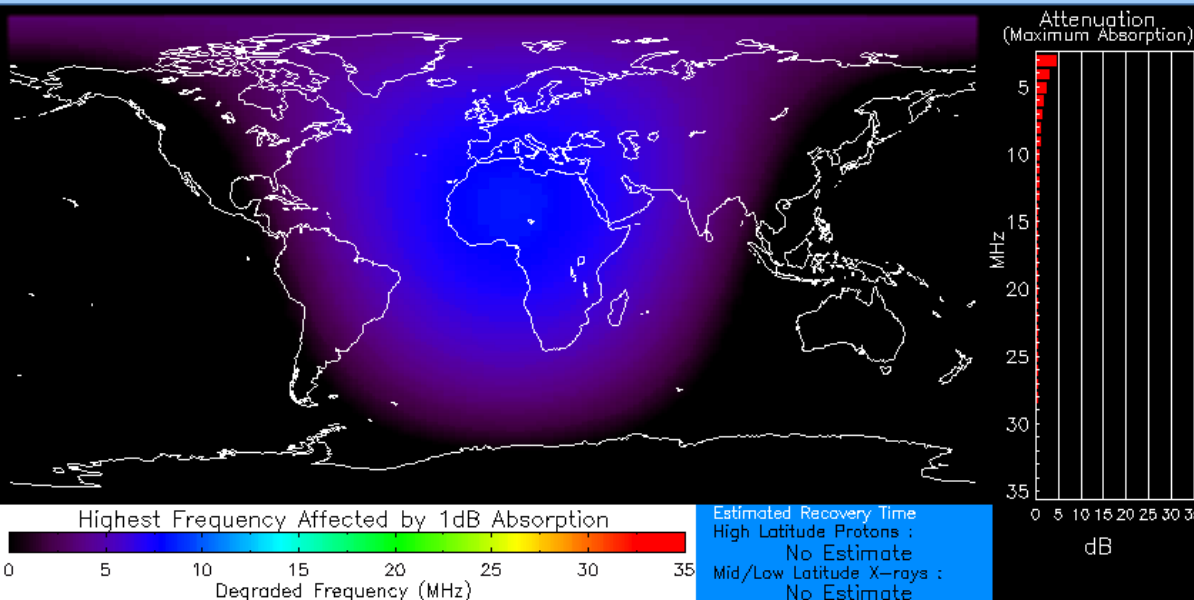
Space Weather 3-Day Forecast



	Wednesday	Thursday	Friday
Geomagnetic Storms	Minor (G1) Storm (Max Kp = 5)	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	5%	5%	5%
Radio Blackout (R1-R2)	30%	30%	30%
Radio Blackout (R3-R5)	5%	5%	5%

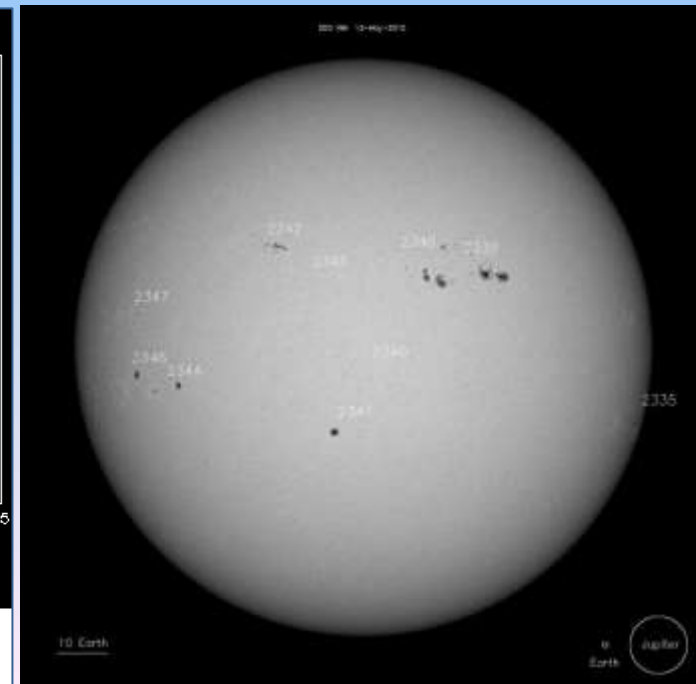
[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



Normal X-ray Background
Product Valid At : 2015-05-13 11:33 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA



Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (817) 978-1100 x147

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Web: <http://www.srh.noaa.gov>

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